

Fix ALL Crystal

Technical data

Basis	SMX Hybrid Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% RH)	Approx. 10 min.
Density	Approx. 1.04 g/ml
Hardness (DIN 53505)	38 ± 5 Shore A
Curing speed (20°C / 65% RH)	2 mm/24h → 3 mm/24h
Temperature resistance	-40 °C → 90 °C
Elastic recovery (ISO 7389)	> 75 %
Elasticity modulus 100% (DIN 53504)	0,80 N/mm ²
Maximum allowed distortion	± 20%
Elongation at break (DIN 53504)	300 %

Product description

Fix ALL Crystal is a high quality, crystal clear, neutral, elastic, 1-component adhesive based on SMX-Polymer.

Properties

- crystal clear formulation
- excellent adhesion on nearly all surfaces, even if slightly moist
- incredibly good mechanical characteristics
- easy to apply
- suitable for sanitary applications
- good extrudability even at low temperatures
- free of isocyanates, solvents, halogens and acids
- can be painted with all water-based paints and other systems (test first)
- permanent elastic after curing

Applications

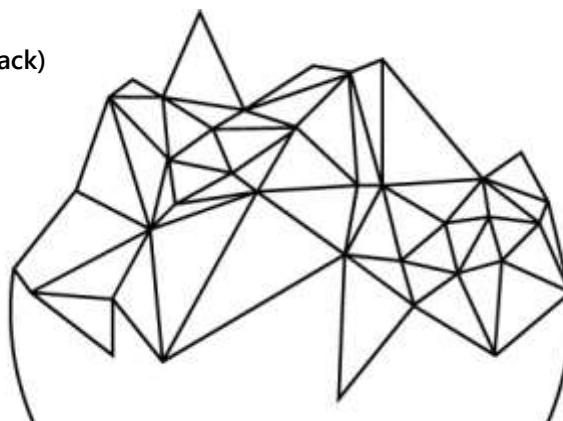
- all common bonding and sealing applications, both indoor and outdoor
- transparent and elastic bonding in construction and building applications
- invisible bonding of glass and other transparent materials in indoor applications

Packaging

80 ml tube, 290 ml cartridges (12 pieces/pack)



ROCK STAR CONSTRUCT SRL
Aleea Teisani nr137A Sector 1 Bucuresti
RO 22680005 | J40/20648/2007
RO79 BTRL 0500 1202 8671 45XX
BANCA TRANSILVANIA OTOPENI
office@piatraonline.ro www.piatraonline.ro



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Shelf life

12 months in unopened packaging, stored in a cool and dry storage place at temperatures between +5°C and +25°C.

Chemical resistance

Good resistance to water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids, alkalis and (salt)water. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

Substrates

Substrates: all usual building substrates, glass, treated wood, PVC, plastics, metals, stone, concrete etc.

Nature: clean, free of dust and grease.

Surface preparation: Porous surfaces in water loaded applications should be primed with Primer 150. All smooth surfaces can be treated with Surface Activator.

While producing plastics, very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates.

NOTICE: bonding plastics like PMMA (e.g. Plexi® glass), polycarbonate (e.g. Makrolon® or Lexan®) in stress loaded applications can give rise to stress cracking and crazing in these substrates. The use of Fix ALL Crystal is not recommended in these applications.

Joint dimensions

Min. width for bonding: 1 mm

Recommendation: width = 2 x depth

Application method

Application method: With manual or pneumatic caulking gun (temperature between +5°C and +35°C)

Cleaning: With Fix ALL Cleaner immediately after use. Cured Fix ALL Crystal can only be removed mechanically.

Finishing: With a soapy solution or Soudal Finishing Solution before skinning.

Repair: With the same material

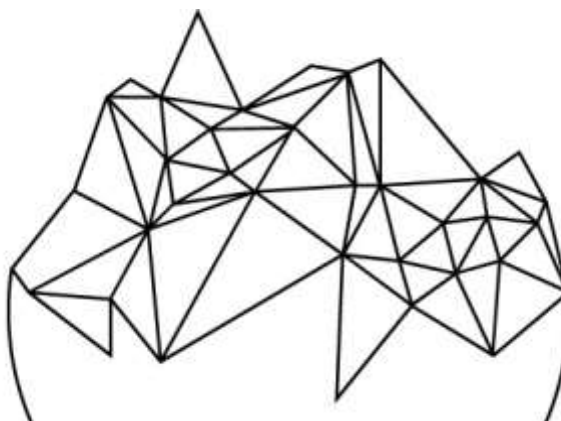
Health and Safety Recommendations

Take the usual labor hygiene into account.

Consult label for more information.



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Remarks

Fix ALL Crystal is paintable with water-based paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application. The drying time of alkyd resin-based paints may increase. Fix ALL Crystal can be applied to a wide variety of substrates. Since specific substrates such as plastics, like polycarbonate, etc., may differ from manufacturer to manufacturer, we recommend preliminary compatibility test. Fix ALL Crystal is not suitable for expansion joints. Do not use in applications where continuous water immersion is possible. Fix ALL Crystal has a good UV resistance but can discolor under extreme conditions or after exceptionally long UV exposure. Fix ALL Crystal cannot be used as a glazing sealant.



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